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PROCEDURES FOR PROPOSING JOINT RESEARCH INTERCHANGES

Prepared Pursuant to

THE NASA-AMES UNIVERSITY CONSORTIUM AGREEMENT

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Ref: AMM 1051-1

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(Supersedes all
prior editions)

NAS 1.18:

FORMS AND ASSISTANCE IN PREPARING PROPOSALS

CAN BE OBTAINED FROM

THE CONSORTIUM OFFICE

a liaison service to the participating universities

of the Consortium

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Form JRI-1 (Parts A and B)

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I. GENERAL INSTRUCTIONS

The master NASA-Ames University Consortium Agreement provides for the reciprocal use of services, personnel, facilities, and equipment between Ames Research Center and participating universities. Interchanges formalize the arrangements for specific activities under the umbrella of the master Consortium Agreement.

The guidelines herein apply only to Joint Research Interchanges.* The purpose of this type of interchange is to produce, through joint effort, research of mutual interest and benefit to Ames Research Center and the university involved.

A. USE OF THE JOINT RESEARCH INTERCHANGE

A Joint Research Interchange may be used when NASA and a University elect to combine their property, money, effects, skills, and knowledge for the production of research in the form of a tangible end-item including by way of description and not limitation a written report, a model, a design, a publication, or a breadboard. A Joint Research Interchange may not be used when the arrangement proposed qualifies as a Contract, Grant, Cooperative Agreement, or any phase thereof within the meaning of the Federal Grant and Cooperative Agreement Act of 1977, or when the arrangement qualifies as a Support Service.

B. ADDITIONAL CRITERIA

At least one of the following criteria must be met by a proposed interchange:

1. the university collaborator must be at the NASA-Ames Research Center for a minimum of two weeks during any agreement year; or

2. the NASA-Ames collaborator must be at the participating university for a minimum of two weeks during any agreement year; or

3. one or more university students, performing under university supervision research within the scope of the Interchange, must be at the NASA-Ames Research Center for a minimum of one month during any agreement year; or

4. reports or publications qualifying as end-items of the research must be authored jointly by NASA-Ames and university collaborators.

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* Consult the Consortium Office for assistance with other types of interchanges, such as loans of equipment, joint use of facilities, use of NASA personnel as instructors, etc.

READEX FICHE

C. FUNDING AND PERIOD OF PERFORMANCE

1. When the payment of money by one party to the other is entailed in a Joint Research Interchange, such payment shall be fixed at a sum certain and not made variable under the terms of the interchange.

2. Not more than $30,000 in Federal funding per agreement year may be approved for expenditure on any one Joint Research Interchange. A maximum duration of two years is allowable.

3. A project administration fee may be included in an interchange budget in an amount not to exceed 20% of all other costs for projects which will primarily be performed at the site of the university, and 10% when the performance will primarily be at another site(s).

4. Funds for support of an interchange are allocated by the Ames collaborator from his organizational research budget.

5. The total amount budgeted for services of a given university collaborator per agreement year, or portion thereof, for all interchanges in which he or she may participate may not exceed, in sum, more than 80% of the maximum compensation for which he or she is eligible during the year under university policy.

6. The period of performance of the interchange should allow sufficient time for delivery of the end-item (report, etc.). The final 20% of the total fixed price is withheld from payment to the university until the end product is received.

D. PREPARATION OF PROPOSALS

1. Detailed instructions and forms for proposal preparation follow. (See Part II and Attachments.)

2. Joint preparation of proposals is advised; potential collaborators should consult closely on research task formulation, collaborative arrangements, and project budget. Additional advice can be obtained from the NASA-Ames University Consortium Office, a liaison office between the Consortium institutions and the Ames Research Center.

E. SUBMISSION OF PROPOSALS

1. Except for proposals in the Ames Life Sciences Directorate (see footnote below), there are no deadlines for proposal submission.

LIFE SCIENCES PROPOSAL SUBMISSION SCHEDULE

Proposals due in Consortium Office no later than:

MARCH 1 (for work to start June 1)
JUNE 1 (for work to start September 1)
OCTOBER 1 (for work to start January 1)
DECEMBER 1 (for work to start March 1)

2. Potential collaborators are advised to submit draft proposals at least two months before the proposed initiation date of the interchange to allow adequate time for processing through both the Ames Research Center and the university.

3. Proposals, which may be in draft form, should be submitted as early as possible to the Consortium Office, which provides final formatting and coordination of proposal processing between the university and Ames. Address proposals to:

   Roy W. Heidtmann, Director
   NASA-Ames University Consortium
   Mail Stop 241-27
   NASA-Ames Research Center
   Moffett Field, California 94035

   Phone: (415) 965-5238

4. The UNIVERSITY COLLABORATOR should consult with the university research office early in the proposal development process, particularly regarding budget matters.

5. The AMES COLLABORATOR must: a) obtain line management approval of the proposed Joint Research Interchange by initiating the "Proposal Approval Form", which may be requested from the Consortium Office (see attached yellow sheet); b) initiate a Purchase Request (ARC-31) to provide funding for the Joint Research Interchange. The Purchase Request should reference a "Consortium Interchange."

6. Upon completion of administrative procedures at Ames and signature by the Ames Administrative Officer for the Consortium, the Consortium Office will forward the interchange proposal to the university for signature by the university's authorized representative for the Consortium.

II. INSTRUCTIONS FOR INTERCHANGE DOCUMENT

INTERCHANGE COVER PAGE

NASA-AMES UNIVERSITY CONSORTIUM

AN INTERCHANGE FOR JOINT RESEARCH ENTITLED: _____

_____

_____

Accepted by: AUTHORIZED REPRESENTATIVE FOR NASA-AMES RESEARCH CENTER

_____ (Signature) _____ (Date)

Name:
Title:
Address:

Accepted by: AUTHORIZED REPRESENTATIVE FOR PARTICIPATING INSTITUTION

_____ (Signature) _____ (Date)

Name:
Title:
Address:

Under the terms set forth in the NASA-Ames/University Aerospace Institutes Agreement, as amended, December 1, 1971 (Ref: Ed-Consortium), for governing use of personnel, services, equipment or facilities designated herein, and made available through, and by the following collaborators:

COLLABORATOR(S) FOR NASA-AMES RESEARCH CENTER:

COLLABORATOR(S) FOR PARTICIPATING INSTITUTION:

PERIOD OF PERFORMANCE
BEGINS: _____
ENDS: _____

TOTAL PROPOSED NASA FUNDING _____

PRESENT NASA FUNDING _____

(NASA Use Only)
INTERCHANGE NUMBER _____
PURCHASE REQUEST NO./JOB ORDER NO: _____
APPROPRIATION SYMBOL _____
INTERCHANGE PLACEMENT CODE SW

JRI-79

COVER PAGE

PROPOSERS

Complete title

(Consortium Office will complete)

PROPOSERS

Provide names, titles, addresses, & phone numbers of the respective collaborators

PROPOSERS

Provide:

- Period of performance
- Amount of anticipated total NASA funding
- Amount of agreement now being funded

(Consortium Office will provide other information)

INTERCHANGE PART A - Page 1

AN INTERCHANGE FOR JOINT RESEARCH ENTITLED:

_____

_____

_____

ABSTRACT

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PART A - PAGE 1

TITLE

Proposers complete

ABSTRACT

The abstract should be understandable to a non-technical reviewer. Proposers should provide a brief summary of the purpose of the interchange. Include: 1) a concise statement of the problem to be investigated, technique to be developed, etc.; 2) the general approach to be applied; 3) the end-item of the interchange; i.e., a written report, model, design, etc.

Do not exceed 150 words.

INTERCHANGE PART A - Page 2

PART A

(RESEARCH STATEMENT)

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PART A - PAGE 2

RESEARCH STATEMENT

The research statement by the proposers should address the technical aspects of the proposed interchange, but should avoid the use of jargon. This section ordinarily should not exceed four or five pages in length.

Include the following sections in the research statement:

I. BACKGROUND

This section should provide a short history of the proposed investigation. It should briefly review the state-of-the-art or the progress on prior related work. For new starts, a rationale should be provided for the hypothesis which is proposed for investigation. For continuations, a short summary reference should be made to problems, results, etc., of the previous interchange. (If a reference page is included in the proposal, it should be inserted between Part A and Part B.)

II. OBJECTIVES AND ANTICIPATED RESULTS

The hypothesis to be investigated, the goal of the research to be undertaken, should be stated here. Proposers should describe the expected outcome of the work and should relate the anticipated results to the original hypothesis (i.e., how will the anticipated results of the experimentation prove or disprove the hypothesis?).

III. APPROACH

This should be a statement of how the research is to be accomplished. It should set out the specific steps to be taken in terms of research tasks and techniques.

INTERCHANGE PART B - Page 1

PART B

(GENERAL PROVISIONS)

IV. STATUS OF THE RESEARCH

1. [ ] The research contemplated by this Interchange is of novel impression for the collaborators herein.

2. [ ] The research contemplated by this Interchange constitutes an outgrowth of, but does not overlap in technical objectives, an earlier investigation undertaken by one, or more, of the collaborators herein pursuant to prior Interchanges, Contracts, Grants, Cooperative Agreements, or other transactions funded by the National Aeronautics and Space Administration and listed specifically in Form JRI-I of this Interchange, together with the identification of published, or unpublished, results thereof.

V. COLLABORATION

1. Site of the Research

[ ] The primary site of the research shall be at the facilities of the NASA-Ames Research Center.

[ ] The primary site of the research shall be at the facilities of the Participating University.

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PART B - PAGE 1

(GENERAL PROVISIONS)

IV. STATUS OF RESEARCH

Proposers select one. If IV 2. is selected, list prior transactions on form JRI-1(A).

V. COLLABORATION

1. Site of the Research

Select one. Although the research may be performed both at the university and at Ames, select the site where most of the research funded by the interchange will be performed.

PART B - PAGE 2

INTERCHANGE PART B - Page 2

2. Allocations

A. Description of university services, equipment, personnel, and facilities dedicated to the project:

B. Description of NASA services, equipment, personnel, and facilities dedicated to the project:

JRI-79

2. Allocations

In specifying allocations, describe also:

- Specific tasks to be performed by the university and NASA investigators.
- Where these tasks will be performed. If university investigator(s) and/or student assistants are to visit Ames, state length of planned visits.

INTERCHANGE PART B - Page 3

3. Additional Provisions

In the discharge of the research:

[ ] a university collaborator shall be at the NASA-Ames Research Center for a minimum period of two weeks during any Agreement year; or

[ ] a NASA-Ames collaborator shall be at the participating University for a minimum period of two weeks during any Agreement year; or

[ ] one or more University students performing, under supervision, research within the scope of the Interchange shall be at the NASA-Ames Research Center for a minimum period of one month during any Agreement year; or

[ ] reports or publications qualifying as end-items of the research shall be authored jointly by NASA-Ames and University collaborators.

VI. END-ITEMS

1. Reports

General Provisions

Responsibility for preparation of the written report(s) described herein shall devolve upon the University collaborator. If any such report emerges as a publication in the open literature, a reprint shall be filed with the Administrative Officer for the Consortium Agreement.

Any report, whether published or unpublished, will bear on the title page or other appropriate place for such report, the following typed or printed legend:

"Funds for the support of this study have been allocated by the NASA-Ames Research Center, Moffett Field, California, under Interchange No. _____."

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PART B - PAGE 3

3. ADDITIONAL PROVISIONS

Check one or more of the boxes. (At least one of these provisions must apply for the project to qualify as an Interchange.)

VI. END-ITEMS

1. REPORTS

The required end-item is most commonly a written report. Even if a formal publication is anticipated, a brief report should be submitted on or before the ending date of the agreement. Although the final report (and progress reports, if any) may be co-authored by the Ames collaborator, ultimate reponsibility for report submission rests upon the university.

Other qualifying tangible end-items could include computer data, models, designs, etc.

INTERCHANGE PART B - Page 4

Final Report

A written report embodying the results of the collaborative research shall be prepared and delivered as specified below.

Progress Reports

[ ] Not required.

[ ] Required as follows:

Delivery Instructions for Reports

PROGRESS REPORT(S) - *if applicable*

Number of copies _____

Due Date _____

Deliver to _____
(Ames collaborator)

FINAL REPORT - *required*

Number of copies _____

Due Date _____

Deliver to 1) _____
(Ames collaborator)

2) Ames Administrative Officer for Consortium

Other Report Provisions

[ ] None

[ ] As follows:

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PART B - PAGE 4

PROGRESS REPORTS

Check one box. If progress reports are required, specify their nature.

DELIVERY INSTRUCTIONS

Complete this section with care.

OTHER REPORT PROVISIONS

Check one box. If seminars or other presentations are to be required, specify here.

INTERCHANGE PART B - Page 5

2. Other End-Items

[ ] Not required.

[ ] Required as follows:

Delivery Instructions for Other End-Items:

3. Acceptance

Acceptance by NASA of end-items required to be produced herein is the responsibility of the NASA-Ames collaborator.

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PART B - PAGE 5

2. OTHER END-ITEMS

Check one box. Specify here any other tangible end-items to be delivered.

Specify delivery requirements for other end-items.

(When the research is completed, the Ames collaborator is responsible for certifying the acceptance of the final report or other end-item, using a form obtainable from the Consortium Office.)

PART B - PAGE 6

VII. ORDER OF PRECEDENCE

The provisions of the "Agreement Between the NASA-Ames Research Center and Participating Universities for Reciprocal Use of Services, Equipment, Personnel and Facilities and for Other Purposes" as amended December 1, 1971 (hereinafter called "Consortium Agreement") are incorporated within, and made a part of, this Interchange except that the following Schedules annexed to the said Consortium Agreement are excluded from this Interchange:

Schedule E (Pertains to economic opportunity and other programs)

Schedule F (Pertains to fiscal arrangements for Interchanges)

Schedule M (Pertains to training of federal employees in non-Governmental facilities)

In the event of any inconsistency between provisions contained in one authority as opposed to provisions contained in any other authority, the following order of precedence shall govern the rights and obligations of the parties:

A. Statutes, Executive Orders, and Regulations, if any, applicable to the Interchange either by operation of law or by mutual agreement of the parties.
B. The terms of this Interchange.
C. Those provisions of the Consortium Agreement incorporated herein and made a part hereof.

No entry is required in this section.

PART B - PAGE 7

VIII. PAYMENT

1. Fixed Price: For the allocable share of services, equipment, personnel, facilities, or combinations of them dedicated by the Participating University in discharging performances herein for producing through joint collaboration the End-Items described, the Fixed Price to be paid by the NASA-Ames Research Center to the University upon satisfactory completion of any and all performances required from the University shall be $_____, subject to the Limitation of Funding Obligation, if any, set forth in Subparagraph 3 of this Paragraph. Upon request by the appropriate University official at intervals not more frequent than monthly, Progress Payments shall be made to the Participating University as performances advance, in sums approved by the NASA Authorized Representative, or his designated representative, provided that the aggregate of all Progress Payments made shall not exceed 80% of the total proposed NASA funding herein with the balance to fall due and owing when all University performances have been completed and End-Items required to be produced have been received and accepted by NASA.

2. Billing: Invoices shall be submitted to the Financial Management Division, Mail Stop 203-18, NASA-Ames Research Center, Moffett Field, California 94035, in an original and three copies, shall reference the interchange number, and shall be identified by a sequential numbering of the invoice.

VIII. PAYMENT

Enter total fixed price to be paid to university upon satisfactory completion of required performances.

(If only part of the total is to be obligated initially, enter that amount under VIII.3.)

PART B - PAGE 8

INTERCHANGE PART B - Page 8

3. Limitation of Funding Obligation: If ANY Monetary Sum is inserted in the space provided below, then payment of the Fixed Price established in Subparagraph 1 of this Paragraph shall be subject to the following conditions:

Notwithstanding the Fixed Price established in Subparagraph 1 of Paragraph VIII of this Interchange, the maximum sum presently available and allotted to this Interchange is _____. Although it is anticipated that, from time to time, additional funds will be allotted by the NASA-Ames Research Center to this Interchange up to the full Fixed Price established therefor, unless, and until, the NASA-Ames Research Center notifies the University Authorized Representative in writing that additional funds have been allotted to this Interchange, no payment beyond the maximum amount indicated herein shall be made by the NASA-Ames Research Center. In the event that additional funds are not allotted, this Interchange shall terminate and expire on the date existing funds allotted thereto, together with future increments of funds, if any, have been expended by the University.

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Use this section only if the Interchange is not fully funded at the outset.

(It is the responsibility of the Ames collaborator to initiate action when additional funds are to be allocated to a partially funded interchange.)

FORM JRI-1 - PART A

FORM JRI-1 - PART A

STATEMENT OF PRIOR TRANSACTIONS

INSTRUCTIONS: If accompanying proposal is an outgrowth of a current NASA Grant, Cooperative Agreement, Contract, or Interchange or of such a transaction completed within the three years immediately prior to the starting date of the proposed Interchange, provide for each Grant, Cooperative Agreement, Contract, or Interchange the following information: 1) identification number and title; 2) period of performance; 3) amount of Federal funding; 4) description of end-item(s) and disposition thereof. If no applicable transactions are to be reported, enter "None".

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Refer to INTERCHANGE PART B - Page 1: IV. "STATUS OF RESEARCH".

If IV.2 has been checked, list on this form relevant NASA grants, cooperative agreements, contracts, or interchanges as described in the form instructions.

FORM JRI-1 - PART B

FIXED PRICE BUDGET DATA

(Below is a suggested format which need not be used as long as requisite information is provided. If the proposed Interchange is for more than one year, duplicate this page and provide cost estimates on a separate page for each year or fraction thereof.)

BUDGET DURATION: STARTING DATE _____ ENDING DATE: _____

UNIVERSITY SALARIES

(Provide name, base salary, percentage of time or number of hours, and duration for each position)

SUBTOTAL SALARIES: $_____

UNIVERSITY FRINGE BENEFITS

(State percentage of salary or other basis)

SUBTOTAL FRINGE BENEFITS: $_____

TRAVEL

(Provide purpose and destination for each trip and basis for calculation — air fare, per diem, mileage, etc. NOTE: Foreign travel requires prior written approval by NASA-Ames)

SUBTOTAL TRAVEL: $_____

OTHER COSTS

A. Expendable Supplies $_____
B. Communications $_____
C. Reproduction $_____
D. Computer Time $_____
E. Equipment Rental* $_____
F. Use of University Facilities $_____
G. _____ $_____

*Purchase of equipment or facilities is not an allowable cost.

SUBTOTAL OTHER COSTS: $_____

PROJECT ADMINISTRATION FEE

(see instructions)

SUBTOTAL ADMINISTRATION FEE: $_____

TOTAL FIXED PRICE: $_____

(DURATION: _____ TO _____)

JRI-79

FORM JRI-1 - PART B

UNIVERSITY SALARIES

Include salary information for university personnel involved in this interchange (university collaborator, students and other research assistants, secretaries, technicians, etc.)

OTHER COSTS

When any of the sub-items in this category exceed 10% of the total budget, please provide a detailed explanation.

PROJECT ADMINISTRATION FEE

A reasonable fee for project administration will be acceptable. It may not exceed 10% of the sum of all other costs itemized above when the majority of the funded research will be performed at a site other than the university, and 20% of such costs when the university will be the site for most of the funded effort.

ATTACHMENTS

INTERCHANGE COVER PAGE

NASA-AMES UNIVERSITY CONSORTIUM

AN INTERCHANGE FOR JOINT RESEARCH ENTITLED: _____

_____

_____

Accepted by: AUTHORIZED REPRESENTATIVE FOR NASA-AMES RESEARCH CENTER

_____
(Signature) (Date)

Name:
Title:
Address:

Accepted by: AUTHORIZED REPRESENTATIVE FOR PARTICIPATING INSTITUTION

_____
(Signature) (Date)

Name:
Title:
Address:

Under the terms set forth in the NASA-Ames/University Aerospace Institutes Agreement, as amended, December 1, 1971 (Ref: Ed-Consortium), for governing use of personnel, services, equipment or facilities designated herein, and made available through, and by the following collaborators:

COLLABORATOR(S) FOR NASA-AMES RESEARCH CENTER:

COLLABORATOR(S) FOR PARTICIPATING INSTITUTION:

PERIOD OF PERFORMANCE
BEGINS: _____
ENDS: _____

TOTAL PROPOSED NASA FUNDING _____

PRESENT NASA FUNDING _____

(NASA Use Only)
INTERCHANGE NUMBER _____
PURCHASE REQUEST NO./JOB ORDER NO:
_____
APPROPRIATION SYMBOL _____
INTERCHANGE PLACEMENT CODE SW

JRI-79

AN INTERCHANGE FOR JOINT RESEARCH ENTITLED:

_____

_____

_____

ABSTRACT

PART A

(RESEARCH STATEMENT)

PART B

(GENERAL PROVISIONS)

IV. STATUS OF THE RESEARCH

1. [ ] The research contemplated by this Interchange is of novel impression for the collaborators herein.

2. [ ] The research contemplated by this Interchange constitutes an outgrowth of, but does not overlap in technical objectives, an earlier investigation undertaken by one, or more, of the collaborators herein pursuant to prior Interchanges, Contracts, Grants, Cooperative Agreements, or other transactions funded by the National Aeronautics and Space Administration and listed specifically in Form JRI-I of this Interchange, together with the identification of published, or unpublished, results thereof.

V. COLLABORATION

1. Site of the Research

[ ] The primary site of the research shall be at the facilities of the NASA-Ames Research Center.

[ ] The primary site of the research shall be at the facilities of the Participating University.

2. Allocations

A. Description of university services, equipment, personnel, and facilities dedicated to the project:

B. Description of NASA services, equipment, personnel, and facilities dedicated to the project:

3. Additional Provisions

In the discharge of the research:

[ ] a university collaborator shall be at the NASA-Ames Research Center for a minimum period of two weeks during any Agreement year; or

[ ] a NASA-Ames collaborator shall be at the participating University for a minimum period of two weeks during any Agreement year; or

[ ] one or more University students performing, under supervision, research within the scope of the Interchange shall be at the NASA-Ames Research Center for a minimum period of one month during any Agreement year; or

[ ] reports or publications qualifying as end-items of the research shall be authored jointly by NASA-Ames and University collaborators.

VI. END-ITEMS

1. Reports

General Provisions

Responsibility for preparation of the written report(s) described herein shall devolve upon the University collaborator. If any such report emerges as a publication in the open literature, a reprint shall be filed with the Administrative Officer for the Consortium Agreement.

Any report, whether published or unpublished, will bear on the title page or other appropriate place for such report, the following typed or printed legend:

> *"Funds for the support of this study have been allocated by the NASA-Ames Research Center, Moffett Field, California, under Interchange No. _____."*

Final Report

A written report embodying the results of the collaborative research shall be prepared and delivered as specified below.

Progress Reports

[ ] Not required.

[ ] Required as follows:

Delivery Instructions for Reports

PROGRESS REPORT(S) - *if applicable*

Number of copies _____

Due Date _____

Deliver to _____
(Ames collaborator)

FINAL REPORT - *required*

Number of copies _____

Due Date _____

Deliver to 1) _____
(Ames collaborator)

2) Ames Administrative Officer for Consortium

Other Report Provisions

[ ] None

[ ] As follows:

2. Other End-Items

[ ] Not required.

[ ] Required as follows:

Delivery Instructions for Other End-Items:

3. Acceptance

Acceptance by NASA of end-items required to be produced herein is the responsibility of the NASA-Ames collaborator.

VII. ORDER OF PRECEDENCE

The provisions of the "Agreement Between the NASA-Ames Research Center and Participating Universities for Reciprocal Use of Services, Equipment, Personnel and Facilities and for Other Purposes" as amended December 1, 1971 (hereinafter called "Consortium Agreement") are incorporated within, and made a part of, this Interchange except that the following Schedules annexed to the said Consortium Agreement are excluded from this Interchange:

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Schedule F (Pertains to fiscal arrangements for Interchanges)

Schedule M (Pertains to training of federal employees in non-Governmental facilities)

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A. Statutes, Executive Orders, and Regulations, if any, applicable to the Interchange either by operation of law or by mutual agreement of the parties.
B. The terms of this Interchange.
C. Those provisions of the Consortium Agreement incorporated herein and made a part hereof.

VIII. PAYMENT

1. Fixed Price: For the allocable share of services, equipment, personnel, facilities, or combinations of them dedicated by the Participating University in discharging performances herein for producing through joint collaboration the End-Items described, the Fixed Price to be paid by the NASA-Ames Research Center to the University upon satisfactory completion of any and all performances required from the University shall be $_____, subject to the Limitation of Funding Obligation, if any, set forth in Subparagraph 3 of this Paragraph. Upon request by the appropriate University official at intervals not more frequent than monthly, Progress Payments shall be made to the Participating University as performances advance, in sums approved by the NASA Authorized Representative, or his designated representative, provided that the aggregate of all Progress Payments made shall not exceed 80% of the total proposed NASA funding herein with the balance to fall due and owing when all University performances have been completed and End-Items required to be produced have been received and accepted by NASA.

2. Billing: Invoices shall be submitted to the Financial Management Division, Mail Stop 203-18, NASA-Ames Research Center, Moffett Field, California 94035, in an original and three copies, shall reference the interchange number, and shall be identified by a sequential numbering of the invoice.

3. Limitation of Funding Obligation: If ANY Monetary Sum is inserted in the space provided below, then payment of the Fixed Price established in Subparagraph 1 of this Paragraph shall be subject to the following conditions:

Notwithstanding the Fixed Price established in Subparagraph 1 of Paragraph VIII of this Interchange, the maximum sum presently available and allotted to this Interchange is _____. Although it is anticipated that, from time to time, additional funds will be allotted by the NASA-Ames Research Center to this Interchange up to the full Fixed Price established therefor, unless, and until, the NASA-Ames Research Center notifies the University Authorized Representative in writing that additional funds have been allotted to this Interchange, no payment beyond the maximum amount indicated herein shall be made by the NASA-Ames Research Center. In the event that additional funds are not allotted, this Interchange shall terminate and expire on the date existing funds allotted thereto, together with future increments of funds, if any, have been expended by the University.

STATEMENT OF PRIOR TRANSACTIONS

INSTRUCTIONS: If accompanying proposal is an outgrowth of a current NASA Grant, Cooperative Agreement, Contract, or Interchange or of such a transaction completed within the three years immediately prior to the starting date of the proposed Interchange, provide for each Grant, Cooperative Agreement, Contract, or Interchange the following information: 1) identification number and title; 2) period of performance; 3) amount of Federal funding; 4) description of end-item(s) and disposition thereof. If no applicable transactions are to be reported, enter "None".

FIXED PRICE BUDGET DATA

(Below is a suggested format which need not be used as long as requisite information is provided. If the proposed Interchange is for more than one year, duplicate this page and provide cost estimates on a separate page for each year or fraction thereof.)

BUDGET DURATION: STARTING DATE _____ ENDING DATE: _____

UNIVERSITY SALARIES

(Provide name, base salary, percentage of time or number of hours, and duration for each position)

SUBTOTAL SALARIES: $_____

UNIVERSITY FRINGE BENEFITS

(State percentage of salary or other basis)

SUBTOTAL FRINGE BENEFITS: $_____

TRAVEL

(Provide purpose and destination for each trip and basis for calculation — air fare, per diem, mileage, etc. NOTE: Foreign travel requires prior written approval by NASA-Ames)

SUBTOTAL TRAVEL: $_____

OTHER COSTS

A.	Expendable Supplies	$_____
B.	Communications	$_____
C.	Reproduction	$_____
D.	Computer Time	$_____
E.	Equipment Rental*	$_____
F.	Use of University Facilities	$_____
G.	_____	$_____

*Purchase of equipment or facilities is not an allowable cost.

SUBTOTAL OTHER COSTS: $_____

PROJECT ADMINISTRATION FEE

(See instructions)

SUBTOTAL ADMINISTRATION FEE: $_____

TOTAL FIXED PRICE: $_____

(DURATION: _____ TO _____)

(For NASA-Ames Use Only)

NASA-AMES UNIVERSITY CONSORTIUM

PROPOSAL APPROVAL FORM FOR CONSORTIUM INTERCHANGE

DEADLINE	PROPOSAL NUMBER

PART I *(Proposer to Complete)*

AMES COLLABORATOR _____ PHONE _____

UNIV. COLLABORATOR _____ UNIV. _____

TITLE OF PROPOSAL _____

_____

PURCHASE REQUEST NUMBER _____ DATE INITIATED _____

PART II *(Signature indicates substantive approval of proposal. Sign Purchase Request also, if applicable. LIFE SCIENCES proposers only, obtain Division signature only before forwarding to Consortium Office.)*

1. BRANCH CHIEF _____ DATE _____
2. DIVISION CHIEF _____ DATE _____
3. ORGANIZATIONAL DIRECTOR _____ DATE _____

(Forward to NASA-Ames University Consortium Office - Mail Stop 241-27, phone 5238)

JRI-79

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